

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506730

Luminaire Tested: **24PD-60-PL1-L850**

Issue Date: 3/26/2021



**Test Information**

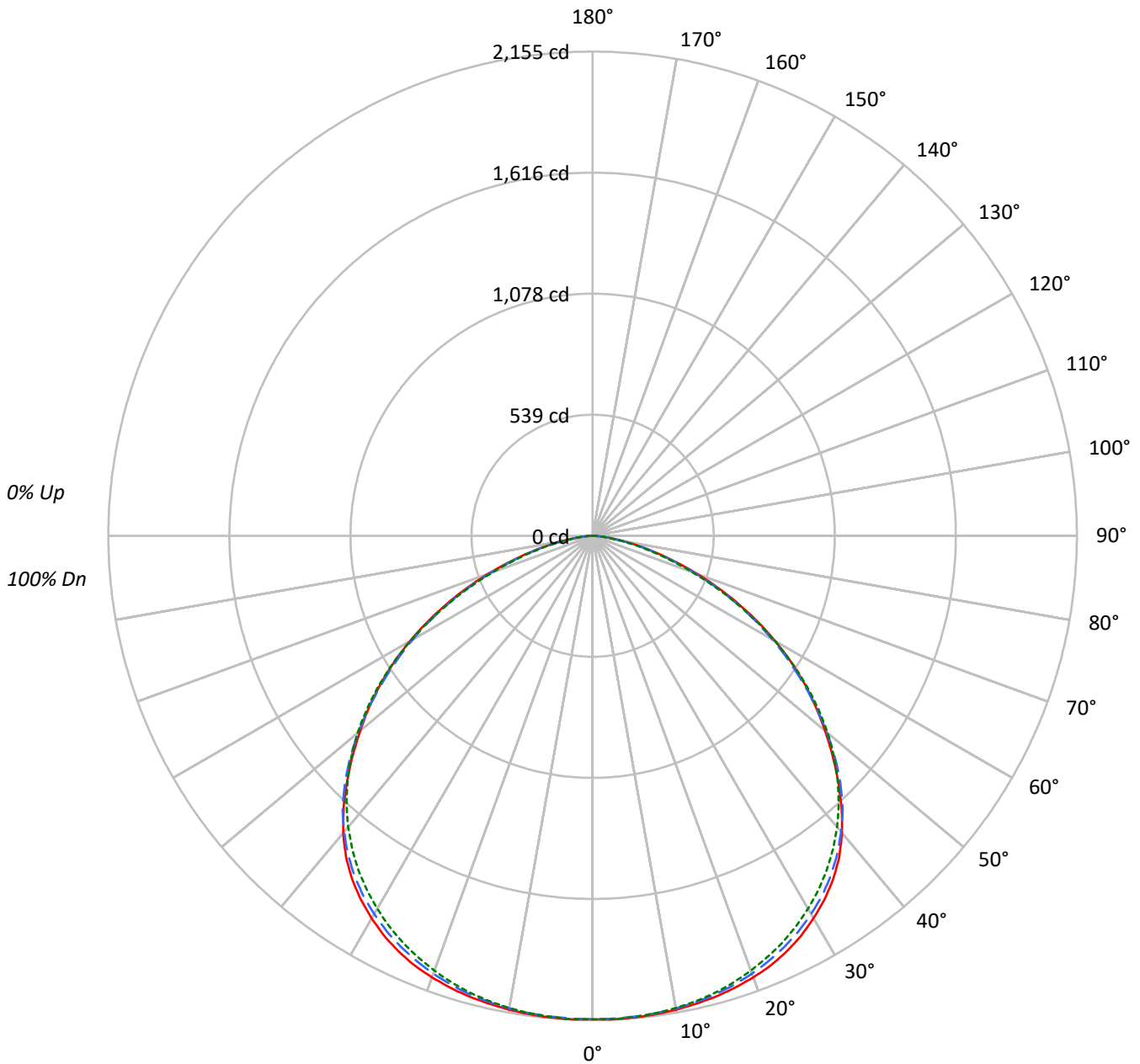
Test Method: LM-79-08  
Report Number: P506730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PL1-L850  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6173.1 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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CATALOG NUMBER: 24PD-60-PL1-L850

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2895	2895	2895
5°	2906	2902	2902
10°	2926	2918	2916
15°	2957	2942	2933
20°	2994	2970	2949
25°	3031	2997	2966
30°	3055	3020	2978
35°	3065	3034	2984
40°	3032	3021	2972
45°	2940	2967	2934
50°	2826	2847	2857
55°	2704	2683	2723
60°	2529	2488	2520
65°	2275	2230	2229
70°	1938	1894	1850
75°	1525	1492	1431
80°	1091	1059	1000
85°	645	636	591



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.8	3.3
10°-20°	597.3	9.7
20°-30°	931.1	15.1
30°-40°	1152.1	18.7
40°-50°	1194.4	19.3
50°-60°	1028.4	16.7
60°-70°	697.7	11.3
70°-80°	311.3	5.0
80°-90°	56.0	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1733.1	28.1
0°-40°	2885.3	46.7
0°-60°	5108.0	82.7
0°-90°	6173.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6173.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2152	2149	2148	2148	2149	205
15°	2123	2117	2112	2108	2106	600
25°	2042	2034	2019	2004	1998	941
35°	1866	1861	1847	1827	1817	1165
45°	1545	1552	1559	1553	1542	1191
55°	1152	1153	1144	1157	1161	1028
65°	715	718	701	693	700	707
75°	293	296	287	280	275	318
85°	42	42	41	41	38	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2151.9	2151.9	2151.9	2151.9	2151.9
2.5°	2154.8	2150.1	2150.7	2151.3	2153.7
5°	2151.9	2148.9	2148.3	2148.3	2148.9
7.5°	2148.3	2144.8	2144.2	2143.6	2143.6
10°	2141.9	2138.3	2136.0	2134.8	2134.2
12.5°	2133.0	2128.9	2126.0	2123.6	2121.8
15°	2123.0	2117.1	2112.4	2107.7	2105.9
17.5°	2108.9	2103.6	2095.3	2087.7	2084.7
20°	2091.2	2085.9	2074.1	2063.5	2059.4
22.5°	2070.6	2062.9	2048.2	2036.4	2030.5
25°	2041.7	2034.0	2018.7	2004.0	1998.1
27.5°	2008.1	2001.0	1984.5	1966.9	1959.8
30°	1966.3	1961.6	1943.9	1924.4	1916.8
32.5°	1919.7	1915.0	1899.7	1877.9	1869.1
35°	1866.1	1860.8	1847.2	1827.2	1816.6
37.5°	1802.5	1800.7	1787.7	1767.1	1757.1
40°	1726.5	1730.0	1720.0	1702.3	1692.3
42.5°	1639.8	1647.5	1647.5	1631.0	1621.0
45°	1545.0	1552.0	1559.1	1553.2	1542.0
47.5°	1447.7	1455.4	1463.7	1466.0	1456.6
50°	1349.9	1354.6	1360.0	1370.6	1364.7
52.5°	1252.7	1254.5	1252.7	1266.9	1265.7
55°	1152.5	1153.1	1143.7	1156.7	1160.8
57.5°	1048.2	1050.0	1034.7	1041.8	1050.6
60°	939.8	941.6	924.5	925.7	936.3
62.5°	827.9	830.2	813.1	809.0	818.4
65°	714.7	717.7	700.6	692.9	700.0
67.5°	602.2	605.7	589.8	580.4	582.2
70°	492.6	495.5	481.4	472.6	470.2
72.5°	388.3	391.3	380.1	371.2	367.1
75°	293.4	295.8	287.0	280.5	275.2
77.5°	210.9	212.7	205.6	200.9	195.6
80°	140.8	141.4	136.7	133.8	129.0
82.5°	84.3	84.8	81.9	80.7	77.2
85°	41.8	42.4	41.2	41.2	38.3
87.5°	14.7	14.1	14.7	14.7	13.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)